Land use intensity controls actinobacterial community structure

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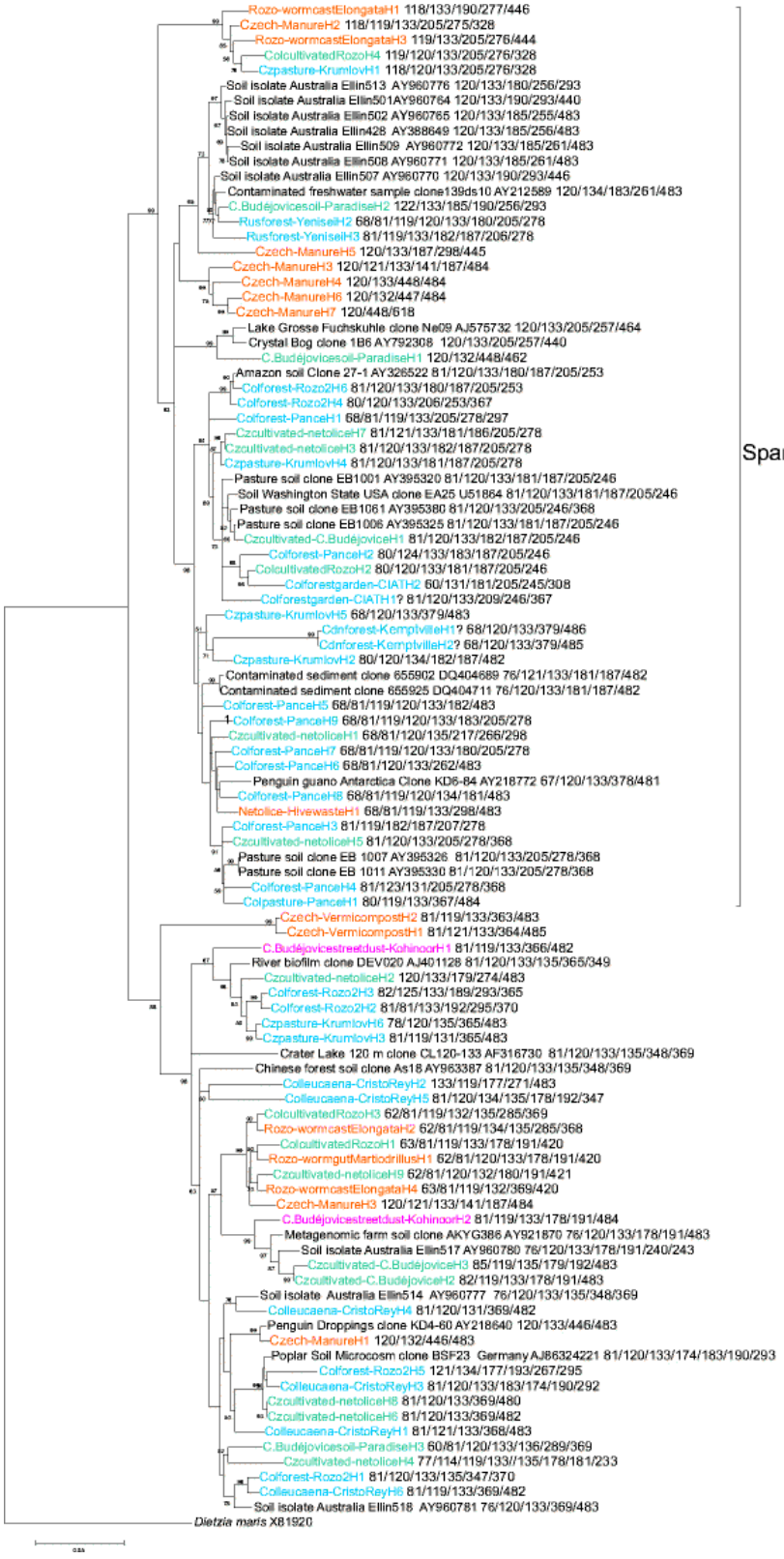
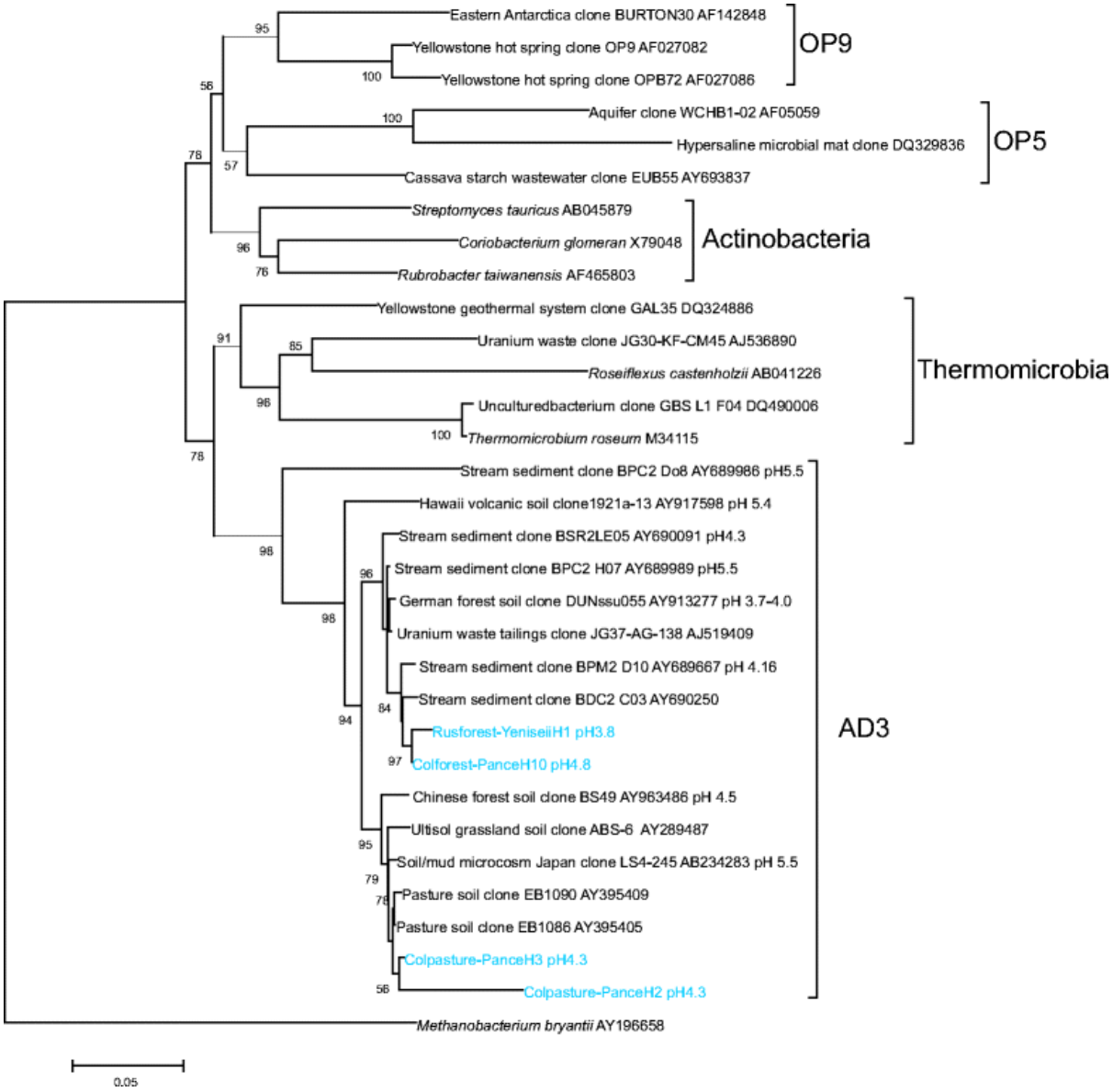
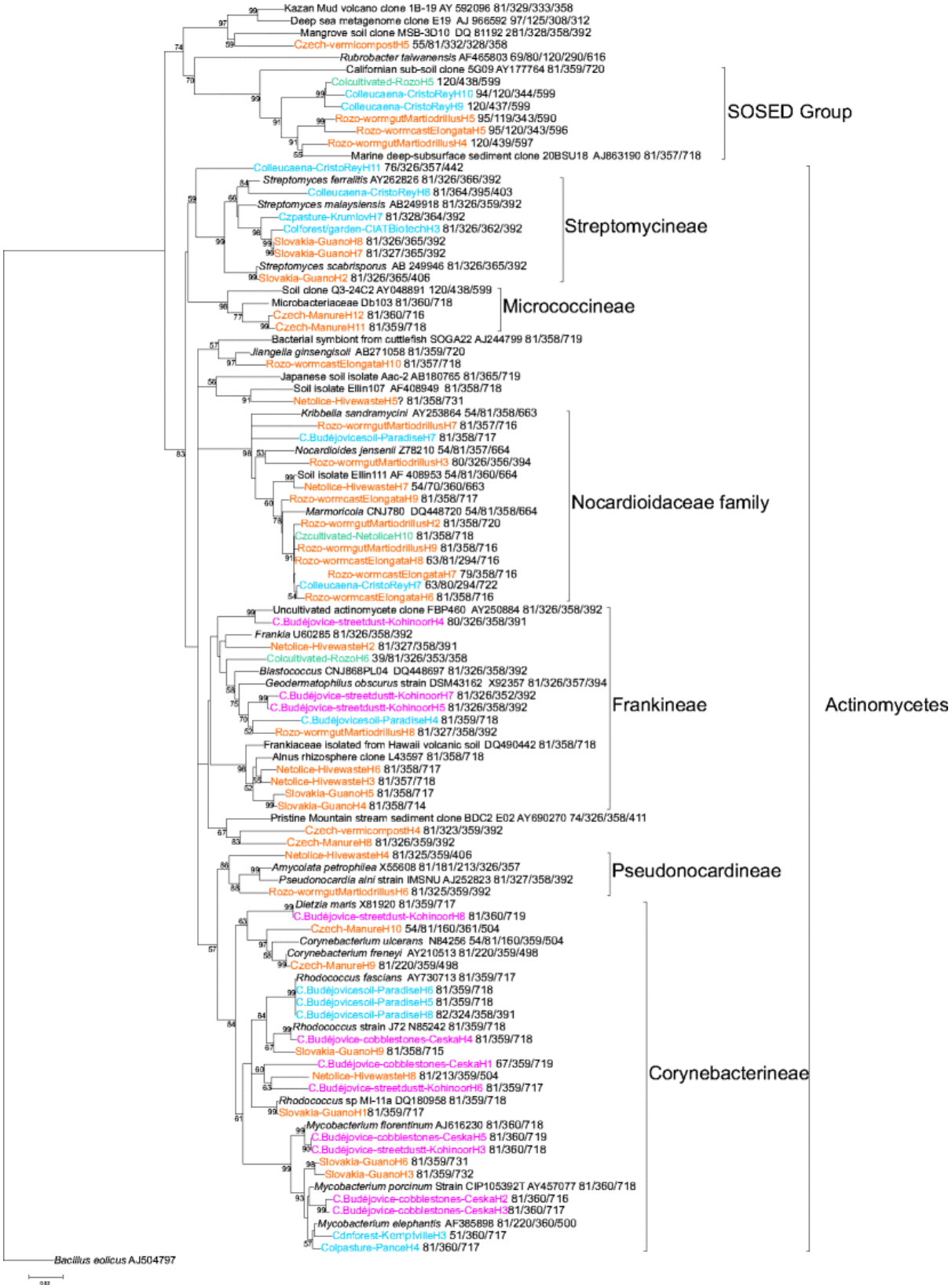


Supplemental Data 1 Neighbour-joining tree of Verrucomicrobial 16S sequences generated with the F-Act/R-Bact primers of Heuer et al. [*15*]. Bootstrap values below 50 are not shown. Samples are colour coded as: forest/pasture soils (*blue*), cultivated soils (*sea green*), insect- and earthworm-associated sediments (*orange*), street sediments (*red*). Simulated TaqI ARDRA band positions are shown for each sequence (e.g. Czcultivated-netoliceH5 81/120/133/205/278/368). For sample descriptions, see Tables 1 and 2.

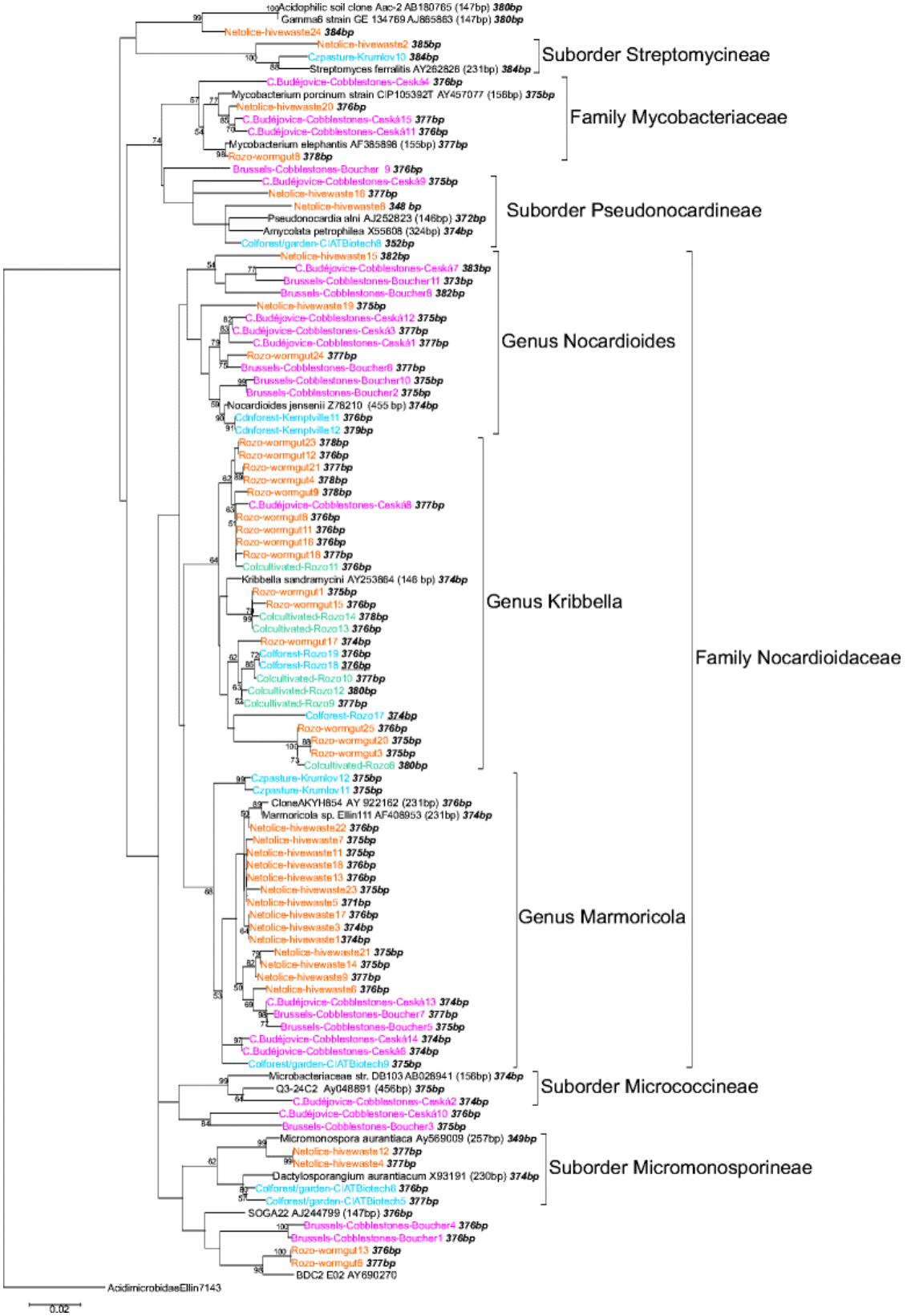


Supplemental Data 2 Neighbour-joining tree of candidate division AD3 16S clones generated with the F-Act/R-Bact primers of Heuer et al. [*15*]; pH values of closest BLAST matches are given when available. For sample descriptions, see Table 1.



Supplemental Data 3 Neighbour-joining tree of actinobacterial 16S sequences generated with the F-Act/R-Bact primers of Heuer et al. [*15*]. Bootstrap values below 50 are not shown. Samples are colour coded as: forest/pasture soils (*blue*), cultivated soils (*sea green*), insect- and earthworm0associated sediments (*orange*), street sediments (*red*). Simulated TaqI amplified ribosomal DNA restriction analysis (*ARDRA*) band positions are shown for each sequence (e.g. Czpasture-KrumlovH7 81/328/364/392). For sample abbreviations, see Tables 1 and 2.

Supplemental Data 4 Neighbour-joining tree of non-actinomycetal actinobacterial 16S clones generated with the F-Act/R-Act primers of Monciardini et al. (2003). Bootstrap values below 50 are not shown. Simulated T-RFLP values are shown for all matches where sequence length allows; forward values are in *parentheses* e.g. (231 bp), reverse values in *bold italics*, e.g. ***375 bp***. Samples are colour coded as: forest/pasture soils (*blue*), cultivated soils (*sea green*), insect- and earthworm-associated sediments (*orange*), street sediments (*red*). For sample abbreviations, see Tables 1 and 2.



Supplemental Data 5 Neighbour-joining tree of actinomycetal actinobacterial 16S clones generated with the F-Act/R-Act primers of Monciardini et al. (2003). Bootstrap values below 50 are not shown. Simulated T-RFLP values are shown for all matches were sequence length allows, forward values are in *parentheses*, e.g. (231 bp), reverse values in *bold italics*, e.g. ***375 bp***. Samples are colour coded as: forest/pasture soils (*blue*), cultivated soils (*sea green*), insect- and earthworm-associated sediments (*orange*), street sediments (*red*). For sample abbreviations, see Tables 1 and 2.

Supplemental Data 6 Neighbour-joining tree of Psychrobacter 16S clones generated with the eubacterial primers of Marchesi et al. (1998). Bootstrap values below 50 are not shown. For sample abbreviations, see Table 2.